Sl. No.	Name of Systems/Devices	Installed in Madhya Pradesh upto December, 1996
7.	Small Hydro Projects (MW)	3.25
8.	Biomass Power Projects (MW)	5@

@ 5 Projects are under construction.

Unit for Energy Generation from Urban & Industrial waste in the North-East

575. DR. B.B. DUTTA: Will the PRIME MINISTER be pleased to state:

(a) the steps taken by the Central Government and each of the State Governments to promote projects for generating Energy from the Urban and Industrial wastes;

(b) whether any units for collecting and processing wastes have been set up in North-Eastern States;

(c) If so, the details thereof and the present status of each project; and

(d) if not, the reasons therefor?

THE MINISTER OF STATE OF THE MINISTRY OF NON-CONVENTIONAL ENERGY SOURCES (CAPT. JAI NARAIN PRASAD NISHAD): (a) Government of India in the Ministry of Non-Conventional Energy Sources launched a "National Programme on Energy Recovery from Urban and Industrial Wastes", providing fiscal and financial incentives to promote projects for generation of Energy from Urban, Municipal and Industrial wastes. The programme covers all the States and Union Territories of India. Some State Governments e.g. U.P., A.P., M.P. and Maharashtra have announced their policy guidelines regarding allotment of land on long term lease basis, supply of garbage and purchase of power produced from the "Waste to Energy Projects" and have also taken steps for carrying out easibility studies for assessing the potential in various cities in respective States for energy recovery.

(b) No, Sir.

(c) Does not airse.

(d) The Ministry has issued guidelines to all States including the North-Eastern States for annoucning, conducive State policies for encouraging projects for generating energy from Urban and Industrial Wastes. Due to lack of appropriate policy framework at the State level with regard to allotment of land, supply of garbage and evacuation of power generated from "Waste to Energy Projects", private enterpreneurs have not shown keen interest in setting up such projects in North-Eastern States.

Schemes for Promotion of Non-Conventional Energy Sources in Maharashtra

576. SHRI SATISH PRADHAN: will the PRIME MINISTER be pleased to state:

(a) whether Government have reviewed the performance of various schemes for promotion of non-conventional energy being implemented in Maharashtra;

(b) If so, the details of targets set and achieved so far, scheme-wise, during the current year vis-a-vis performance for the corresponding period of the previous year;

(c) the details of steps taken to ensure even utilization of funds allotted under the programme in terms of implementation of scheme to harness the development potentials in a balanced manner and the guidelines issued to the State in this regard; and

(d) the details of schemes taken up, implemented and the progress achieved in the tribal areas of Thane district during the last three years?

THE MINISTER OF STATE OF THE MINISTRY OF NON-CONVENTIONAL ENERGY SOURCES (CAPT. JAI NARAIN PRASAD NISHAD): (a) Yes, Sir.

(b) The details of targets set and achieved, scheme-wise during 1996-97 vis-a-vis performance during 1995-96 under various programmes of the Ministry are given in the enclosed statement I (*See* below).

(c) The allocation of funds under various non-conventional energy programmes is made equitably on the basis of performance of the State Governments and the merit of the proposals received from them. State Government allocates the funds among various districts and regions within the State based on local needs and conditions and other criteria evolved by them. The guidelines for financial incentives under various non-conventional energy programmes issued to all States including Maharashtra are given in the enclosed Statement-II (*See* below).

(d) A number of non-conventional energy schemes, such as solar thermal water heating systems, improved chulhas, solar lanterns and Night Soil based biogas plants have been implemented in tribal areas of Thane district. The achievements made during 1993-94, 1994-95 and 1995-96 are given in the enclosed Statement-III.

Statement-I

Targets set and achieved, Scheme-wise during 1996-97 vis-a-vis performance during 1995-96 under various programmes

Sl. No.	Name of the scheme	1995-96			1996-97	
		Target	Achievement		Target	Ach.
			upto Dec '95	upto Mar '96		upto Dec.'96
1.	Improved Chulha (Nos.)	1,60,000	56,933	1,78,275	1,40,000	24,794
2.	Biogas Plants (Nos.)					
	i) Family size	7,500	4,893	12,362	10,000	5,154
	ii) CBP/IBP/NBP	31	42	42	30	11
3.	Solar Cooker (Nos.)@	4,432	462	1,669	5,010	462
4.	Solar Lanterns	500	—	333	1,000	21

@ These figures are based on the targets and achievements set under the programme by the State Governent/Nodal Agency.

Statement-II

Present Funding/Subsidy Patterns of various Programmes of Non-Convent Energy Sources

Sl. No.	Programme	Funding/Subsidy Pattern	
1.	Family Types Biogas Plants	Rs. 1,500 to 3,500	For various categories
2.	Community Biogas Plants	Rs. 44,000 to 2,00,000	of beneficiaries in
3.	Institutional Biogas Plants	Rs. 22,000 to 1,40,000	different region of the

Sl. No.	Programme	Funding/Subsidy Pattern
4.	Night Soil Biogas Plants	Rs. 22,000 to 8,00,000 country.
5.	Improved Chulhas	
	a. Fixed Chulhas	Without Chimney Rs. 20 per chulha.
	b. Portable Chulhas (General/SC/ST)	With Chimney Rs. 40 per chulha. General category Rs. 40 per chulha. SC/ST and Hilly areas Rs. 50 per chulha
6.	Biomass Gasification	a) 30% of the cost (Thermal Applications). b) (60% of the cost both for mechanical & electrical applications) c) 50-70% of the Gasifier systems for Institutional/Community cooking in SC/ST schools, hostels, Govt. Hostel and Mess room in Army, Para Military forces, charitable trusts etc. (d) Spcial incentive—75% cost of Gasifier and Engine Genset also provided for Rural Electrification through, Biomass Gasifiers.
7.	Biomass Combustion	Maximum of Rs. 17 lakhs per MW.
8.	Bagasse Based Cogeneration a. Demonstration Scheme	
	Co-op/Public Sector Mills	Rs. 2 crores/MW of surplus power comprising of Rs. 70 lakhs/MW subsidy & balance soft loan.
	Other Mills	Rs. 70 lakhs/MW subject to a maximum of Rs. 6 crores/projects.
	b. Interest Subsidy	
	Beyond 4 MW	Maximum Rs. 35 lakhs/MW.
	1-4 MW	Maximum Rs. 15 lakhs/MW.
8.	Bagasse Based Cogeneration	
9.	Small Hydro Power a. Interest Subsidy	Upto Rs. 1.12 crores per MW in the Hilly, N.E. Regions and A&N Islands. Upto Rs. 38.30 lakhs per MW for the other regions.
	b. Capital Subsidy	Upto 100 KW capacity @ Rs. 15,000/- per KW for the projects executed by Govt. Deptts/State Nodal Agencies/ NGOs/Local bodies in N.E. Regions, Hilly regions and A&N Islands.

Sl. No.	Programme	Funding / Subsidy Pattern
	c. Other Incentives	100% assistance for Survey and Investigations, maximum upto Rs. 1.5 lakh & 50% assistance for DPR preparation subject to maximum of Rs. 1 lakh.
10.	Solar Thermal Systems	
	a. Air Heating Systems	Rs. 800 per metre square.
	b. Solar Stills	Rs. 500 per metre square.
11.	Solar Photovoltaic Systems	
	a. Domestic Lighting Systems	50% of ex-works cost subject to a maximum of Rs. 6,000 per system (Rs. 200 per system as service charges)
	b. Street Lighting Systems	50% of ex-works cost subject to a maximum of Rs. 12,000 per system.
	c. PV Power Plants	50% of ex-works cost subject to a maximum of Rs. 2 lakh per KW.
	d. Solar Lanterns	Rs. 1,500 per lantern (Rs. 100 service charges).
	e. SPV Pumps	Rs. 125 per peak watt subject to a maximum of (Rs. 1,50,000 and loan of Rs. 50,000 to 1,00,000)
12.	Wind Pumps	Rs. 16,000-32,000 per wind mill depending on design of wind mill.
13.	Wind Battery Chargers	80% of ex-works cost.

Statement-III

A number of Non-conventional energy schemes and the achievements made during 1993-94, 1994-95 and 1995-96

Sl. No.	Non-Conventional Energy Schemes implemented in tribal areas of Thane District	Achievements during the last three years		
		1993-94	1994-95	1995-96
1.	Improved Chulha			
	(i) Portable (Nos.)	500	—	—
	(iii) Community (Nos.)	—	18	24
2.	Night Soil based Biogas Plants (Nos.)	—	—	2
3.	Solar Water Heater Sytstems (lpd)	11,800	10,500	17,000
4.	Solar Photovoltaic (Lanterns) (Nos.)	77	553	20